

**Amendment to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1           1. (Original): A computer system comprising a plurality of computers, a  
2 storage control apparatus connected with the plurality of computers on a channel path and for  
3 performing input and output through the channel path, and a storage device under the control of  
4 the storage control apparatus for storing input/output data of the computers;

5                 wherein said storage control apparatus classifies the plurality of channel ports of  
6 the storage control apparatus to which the channel path is connected into priority channel ports  
7 and non-priority channel ports, so that channel ports defined as priority channel ports carry out  
8 I/O processing without suppressing the processing of I/O from the computers; and

9                 channel ports defined as non-priority channel ports are given a target value in I/O  
10 process units and carry out processing while performing feedback control so that I/O processing  
11 from the computers approaches the I/O process units; and

12                 wherein the storage control apparatus controls the level of the influence of the  
13 non-priority channel port I/O processing on priority channel port I/O processing.

1           2. (Original): The computer system according to claim 1, wherein the  
2 storage control apparatus defines a target value of I/O processing units for the priority channel  
3 ports, and carries out I/O processing at the non-priority channel ports while performing feedback  
4 control so that the I/O processing of the priority channel ports approaches the target value in I/O  
5 process units; and the storage control apparatus controls the level of the influence of the non-  
6 priority channel port I/O processing.

1           3. (Original): The computer system according to claim 1, wherein the  
2 storage control apparatus determines, when the I/O frequency of the channel port set as a priority  
3 channel port is less than the threshold value, a threshold value for not suppressing I/O processing  
4 of non-priority channel ports and does not suppress I/O processing of the non-priority channel  
5 port, whereby the I/O processing capacity of the storage control apparatus is sustained.

1           4. (Original): The computer system according to claim 2, wherein the  
2 storage control apparatus determines, when the I/O frequency of the channel port set as a priority  
3 channel port is less than the threshold value, a threshold value for not suppressing I/O processing  
4 of a non-priority channel port and does not suppress I/O processing of the non-priority channel  
5 port, whereby the I/O processing capacity of the storage control apparatus is sustained.

1           5. (Original): The computer system according to claim 1, wherein the  
2 storage control apparatus classifies hosts into priority hosts and non-priority hosts in units of  
3 computers sending I/O processing requests to the storage control apparatus, or in computer path  
4 units such as a World Wide Name, and executes I/O processing of non-priority hosts while  
5 performing feedback control so that the I/O processing of the non-priority hosts approaches the  
6 I/O process units within a single channel port and among channel ports; and the storage control  
7 apparatus controls the level of influence of non-priority host I/O processing on priority host I/O  
8 processing.

1           6. (Original): The computer system according to claim 1, wherein the  
2 storage control apparatus classifies devices into priority devices and non-priority devices in units  
3 of storage devices performing I/O processing within the storage control apparatus, and executes  
4 I/O processing of non-priority devices while performing feedback control so that the I/O  
5 processing of the non-priority devices approaches the target I/O processing unit; and controls the  
6 level of influence of non-priority device I/O processing on priority device I/O processing.

1           7. (Original): The computer system according to claim 6, wherein the  
2 storage control apparatus classifies the storage area in the storage device into priority and non-  
3 priority areas, and executes the I/O processing of non-priority areas while performing feedback  
4 control so that the I/O processing of non-priority area approaches the target I/O processing unit;  
5 and controls the level of influence of non-priority area I/O processing on priority area I/O  
6 processing.

1           8. (Previously presented): A storage system comprising:  
2           a storage control apparatus including a plurality of ports connected with a  
3 plurality of computers and a controller for controlling the I/O from the computers; and  
4           a storage apparatus including a plurality of storage devices for storing I/O from  
5 the computers received by the storage control apparatus;  
6           wherein the controller is provided with a priority information table holding one of  
7 a priority or a non-priority value for each of the ports, the priority information table further  
8 including a predefined time; and  
9           wherein I/O through a port that is associated with a priority value is processed in  
10 priority fashion such that the start of I/O processing through ports that are associated with non-  
11 priority values are delayed by said predefined time.

1           9. (Previously presented): A storage system comprising:  
2           a storage control apparatus including a plurality of ports connected with a  
3 plurality of computers and a controller for controlling the I/O from said computers; and  
4           a storage apparatus constituted by a plurality of storage devices for storing I/O  
5 from the computers received by said storage control apparatus;  
6           wherein the controller is provided with a priority information table containing a  
7 priority or non-priority value for each of the computers, the priority information table further  
8 including a predefined time; and

9               wherein I/O from a computer that is associated with a priority value is processed  
10      in priority fashion such that the start of I/O processing from computers that are associated with  
11      non-priority values are delayed by said predefined time.

1               10. (Previously presented): A storage system comprising:  
2                a storage control apparatus including a plurality of ports connected with a  
3      plurality of computers and a controller for controlling the I/O from the computers; and  
4                a storage apparatus including a plurality of storage devices for storing I/O from  
5      the computers received by the storage control apparatus;  
6                wherein the controller is provided with a priority information table containing one  
7      of a priority or non-priority value for each of the storage device units, the priority information  
8      table further including a predefined time; and the priority information table causes delays by a  
9      predefined time of the start of I/O processing for storage devices having non-priority values in  
10     the priority information table.

11               wherein I/O with a storage device unit that is associated with a priority value is  
12      processed in priority fashion such that the start of I/O processing with storage device units that  
13      are associated with non-priority values are delayed by said predefined time.

11 - 12.       (Canceled)